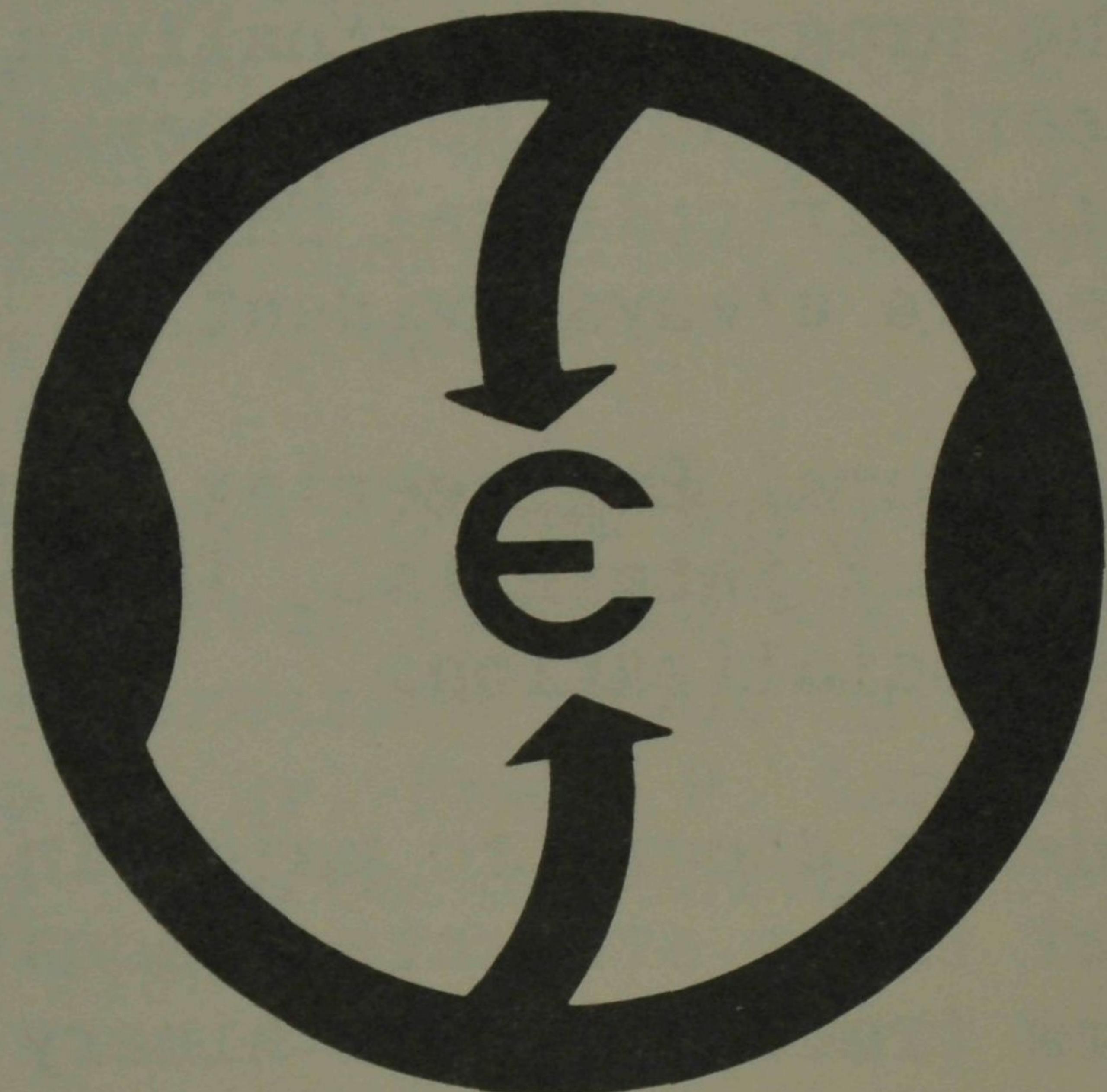




8/5/011

**1978
Engineering Open House**



Agricultural Engineering

**College of Engineering
University of Illinois at Urbana-Champaign
Friday, March 3, 10:00 a.m.-8:00 p.m.
Saturday, March 4, 9:00 a.m.-4:00 p.m.**

*Agricultural Engineering
The Profession with America's Future*

1978 ENGINEERING OPEN HOUSE
March 3 and 4, 1978

Welcome to Agricultural Engineering Open House. The Department of Agricultural Engineering bridges the gap between two great disciplines, engineering and agriculture. The program is actually a part of the College of Engineering, but the cooperation and interaction between the Agricultural Engineers and the College of Agriculture are always evident.

The Agricultural Engineering curriculum offers a student a choice of interests. The curriculum has four areas of specialization.

Many students choose to major in Power and Machinery. After these students graduate, they may be engaged in farm tractor and machinery development, design, plant engineering, or consulting.

The Soil and Water area provides excellent opportunities for many young engineers. An increasing awareness of the necessity for the planned use of our water and soil resources on every level of activity--county through international--has set new standards for the engineers who must cope with problems of water shortage, flood control, and optimization of agronomic production through more efficient drainage, irrigation, and erosion control practices.


The Processing graduate may be involved with any sort of problem in grain or materials handling, drying, or storage. The processing graduate has knowledge of electronics and psychrometry and may work in many areas of industry.

The Structures and Environment graduate has experience in design principles, farm buildings, strength of materials, foundation engineering, concrete design, and new innovations in waste management. The area of waste management is a very good area for a structures graduate to do his service to society and agriculture.

The interdisciplinary background of the agricultural engineer serves him well in dealing with problems, each of which involves a multiplicity of public interests. For men capable of applying new concepts of hydrology, hydraulics, construction, and machinery design, the opportunities are great.

Thank you for touring the Agricultural Engineering Department. Please feel free to ask questions. If you would like more information about Agricultural Engineering, please write to Dr. Frank B. Lanham, Head, Agricultural Engineering Department, University of Illinois, Urbana, Illinois 61801.

Visit us again.
We enjoyed being your host.



ENGINEERING OPEN HOUSE EXHIBITS

Power and Machinery

1. Functional Analysis of Various Soybean Cutterbars
2. Field Studies of Spray Drift Control
3. Development of the Tractor
4. Soil Bin Analysis of Planter Insecticide Incorporation
5. Computer Analysis of the Efficiency And Capacity of Tractor-Plow Combinations

Soil and Water Division

1. Deflection of Various Sizes and Types of Corrugated Plastic Drainage Tubing
2. Laser Surveying Equipment Demonstration
3. Utilization of Excess Power Plant Heat in Structures Heating

Processing

1. Solar Grain Drying and Shop Heating
2. Control for Desiccant Grain Dryer

INDUSTRIAL EXHIBITS

Power and Machinery

Caterpillar Tractor Company
Peoria, Illinois

Portable Elevator Company
Bloomington, Illinois

Dealer Exhibits

H & H Equipment Company
Allis-Chalmers Equipment, Sidney, Illinois

Plotner Ford Tractor, Inc.
Ford Farm Equipment, Thomasboro, Illinois

Allerton Implement Company
John Deere Equipment, Allerton, Illinois

Champaign County Power Equipment Company
International Harvester Equipment, Urbana
Illinois